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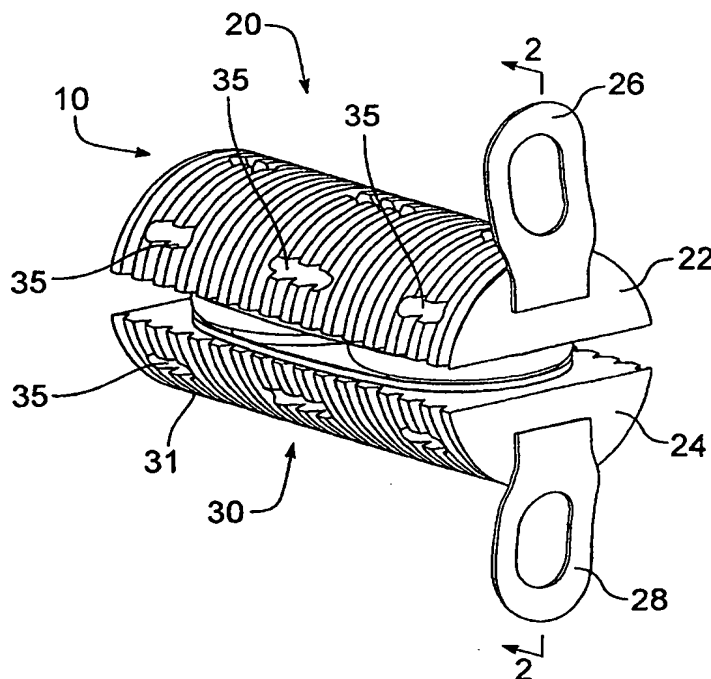
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(21) International Application Number: PCT/US99/16648 (22) International Filing Date: 22 July 1999 (22.07.99) (30) Priority Data: 60/093,654 22 July 1998 (22.07.98) US (71) Applicant (for all designated States except US): SPINAL DYNAMICS CORPORATION [US/US]; Suite 110, 9655 SE 36th Street, Mercer Island, WA 98040-3732 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): BRYAN, Vincent [US/US]; Suite 110, 9655 SE 36th Street, Mercer Island, WA 98040-3732 (US). KUNZLER, Alex [US/US]; 50340 Spyglass Hill Drive, La Quinta, CA 92253 (US). (74) Agent: PARKHURST, Todd, S.; Hill & Simpson, Sears Tower, 85th floor, 233 South Wacker Drive, Chicago, IL 60606 (US).			(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: THREADED CYLINDRICAL MULTIDISCOID SINGLE OR MULTIPLE ARRAY DISC PROSTHESIS

(57) Abstract

A small profile, cylindrically shaped prosthetic disc device (10) is provided. The device housing is comprised of two longitudinally split hollow halves (20, 30), between which are contained multiple discoid shaped resilient bodies (41, 42) which may be of a polymeric type, or they may contain hydrogel. These bodies may lie in concave surfaces (51, 52) located on the interior of each side of the split cylindrical housing. The housing halves (20, 30) even under maximum physiological loads, do not contact one another directly. Threads on the exterior surface of the cylindrical housing facilitates insertion and retention in the prepared bone opening.



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